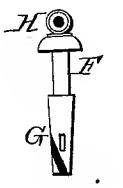
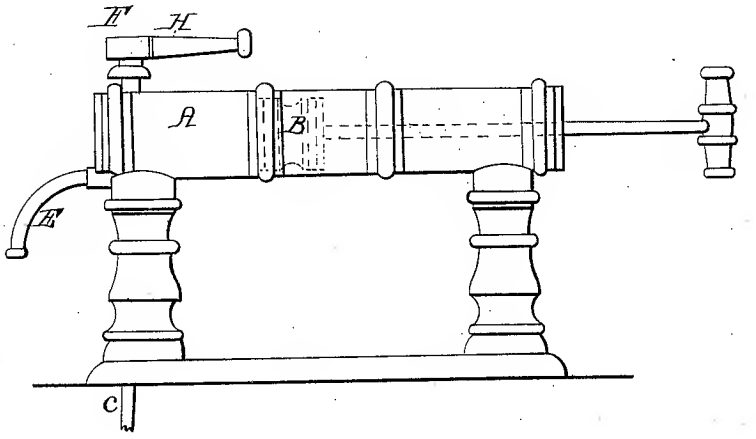
J. Johnson,

Beer Pump.

No. 217. Patented May 30, 1837.





UNITED STATES PATENT OFFICE.

JASPER JOHNSON, OF GENESEO, NEW YORK.

APPARATUS FOR DRAWING LIQUORS BY COMPRESSED AIR.

Specification of Letters Patent No. 217, dated May 30, 1837.

To all whom it may concern:

Be it known that I, JASPER JOHNSON, of Geneseo, in the county of Livingston and State of New York, have invented a new and useful Improvement in Apparatus for Drawing Liquids, which is described as follows, reference being had to the annexed drawings of the same, making part of this specification.

A represents a cylinder supported by two standards upon the counter or in any other required position.

B is a piston working in the cylinder A, for compressing the air into the vessel containing the liquid to be drawn. C, a vertical tube leading from the cylinder to the liquor vessel for conveying the air to it from the cylinder; this tube also communicates with the spout for drawing the liquid, the communication being opened and closed by means of a cock hereafter described; the upper end of the tube enters into and extends as far as the center of the cylinder where it forms a seat in which the cock turns; between this end of the tube and where the piston works, is a partition pierced with an aperture coinciding with another aperture in the side of the tube toward it; in a line with these apertures on the opposite side of the tube is the spout E.

F is the cock pierced with an aperture from one side to the other, which, when the handle is parallel with the axis of the cylinder coincides with the apertures and spout and opens a communication with the external air and the cylinder. At right angles to this aperture, but not communicating with it, is a second aperture G extending obliquely from the side of the cock down through the end thereof, which aperture is made to open a communication alternately with the cylinder and liquid vessel in compressing the air, and with the spout and this vessel in drawing the liquor. H the handle of the cock.

In compressing the air into the liquid vessel the cock is turned so as to bring the handle parallel with the axis of the cylinder, which brings the horizontal aperture in a line with the spout and cylinder, thus opening a communication between the latter and the external air; the piston is then drawn back which makes a partial vacuum in the cylinder which is instantly filled by fresh air,—the cock is then turned at right angles to the cylinder (the handle being on the left as you stand in front of the spout) this closes the spout and opens a communication from the cylinder through the tube to the liquid vessel; the piston is then pushed forward which forces the air into the cylinder into the liquor vessel; the cock is then turned back to its former position which closes the communication to the liquid vessel, and again opens one to the external air as before, when the operation is repeated, and in this manner it is continued until the air in the barrel or other liquid vessel is sufficiently compressed.

The liquor is drawn by turning the cock so that the handle shall be in a position opposite to that in which it was placed, when compressing the air, that is on the right of the cylinder instead of the left which closes the communication from the liquor vessel to the cylinder and opens it to the spout through which the liquor is forced by the elastic power of the compressed air in the barrel or other vessel containing liquor to be drawn.

The invention claimed by the subscriber and which he desires to secure by Letters Patent consists—

In the addition of the before described oblique aperture to the cock of the apparatus for drawing liquids by compressed air.

JASPER JOHNSON.

Witnesses:

J. YOUNG,

WM. J. HAMILTON.